

#2

0420/0590



OIPE

## RAW SEQUENCE LISTING

DATE: 02/16/2002

PATENT APPLICATION: US/10/052,005

TIME: 15:27:37

Input Set : N:\Crf3\RULE60\10052005.raw

Output Set: N:\CRF3\02152002\J052005.raw

## SEQUENCE LISTING

## 3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: CHEN, ZHIJIAN J.

7 (ii) TITLE OF INVENTION: A KINASE CAPABLE OF SITE-SPECIFIC  
8 PHOSPHORYLATION OF I B`

10 (iii) NUMBER OF SEQUENCES: 8

12 (iv) CORRESPONDENCE ADDRESS:

13 (A) ADDRESSEE: STERNE, KESSLER, GOLDSTEIN &amp; FOX P.L.L.C.

14 (B) STREET: 1100 NEW YORK AVENUE, SUITE 600

15 (C) CITY: WASHINGTON

16 (D) STATE: DC

17 (E) COUNTRY: US

18 (F) ZIP: 20005-3934

ENTERED

20 (v) COMPUTER READABLE FORM:

21 (A) MEDIUM TYPE: Floppy disk

22 (B) COMPUTER: IBM PC compatible

23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

26 (vi) CURRENT APPLICATION DATA:

C--&gt; 27 (A) APPLICATION NUMBER: US/10/052,005

C--&gt; 28 (B) FILING DATE: 17-Jan-2002

34 (C) CLASSIFICATION: 435

36 (vii) PRIOR APPLICATION DATA:

32 (A) APPLICATION NUMBER: US/08/825,559

33 (B) FILING DATE: 19-MAR-1997

37 (A) APPLICATION NUMBER: 08/616,499

38 (B) FILING DATE: 19-MAR-1996

40 (viii) ATTORNEY/AGENT INFORMATION:

41 (A) NAME: BROWN, ANNE

42 (B) REGISTRATION NUMBER: 36,463

43 (C) REFERENCE/DOCKET NUMBER: 1448.0240001

45 (ix) TELECOMMUNICATION INFORMATION:

46 (A) TELEPHONE: (202) 371-2600

47 (B) TELEFAX: (202) 371-2540

50 (2) INFORMATION FOR SEQ ID NO: 1:

52 (i) SEQUENCE CHARACTERISTICS:

53 (A) LENGTH: 36 base pairs

54 (B) TYPE: nucleic acid

55 (C) STRANDEDNESS: single

56 (D) TOPOLOGY: linear

58 (ii) MOLECULE TYPE: cDNA

63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

65 TTGTGACCTC AGGATATCGA GAGCAATACT TCCATT

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67 (2) INFORMATION FOR SEQ ID NO: 2:

69 (i) SEQUENCE CHARACTERISTICS:

70 (A) LENGTH: 35 base pairs

71 (B) TYPE: nucleic acid

72 (C) STRANDEDNESS: single

73 (D) TOPOLOGY: linear

75 (ii) MOLECULE TYPE: cDNA

80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

82 TTGTGACCTC AGGATATCGA GAGAAATACT TCCAT

35

84 (2) INFORMATION FOR SEQ ID NO: 3:

86 (i) SEQUENCE CHARACTERISTICS:

87 (A) LENGTH: 7 amino acids

88 (B) TYPE: amino acid

89 (C) STRANDEDNESS: Not Relevant

90 (D) TOPOLOGY: linear

92 (ii) MOLECULE TYPE: peptide

95 (ix) FEATURE:

96 (A) NAME/KEY: Modified-site

97 (B) LOCATION: 1

98 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"

100 (ix) FEATURE:

101 (A) NAME/KEY: Modified-site

102 (B) LOCATION: 5

103 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"

106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

W--&gt; 108 Xaa Tyr Val Glu Xaa Glu Arg

109 1 5

111 (2) INFORMATION FOR SEQ ID NO: 4:

113 (i) SEQUENCE CHARACTERISTICS:

114 (A) LENGTH: 13 amino acids

115 (B) TYPE: amino acid

116 (C) STRANDEDNESS: Not Relevant

117 (D) TOPOLOGY: linear

119 (ii) MOLECULE TYPE: peptide

122 (ix) FEATURE:

123 (A) NAME/KEY: Modified-site

124 (B) LOCATION: 1

125 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"

127 (ix) FEATURE:

128 (A) NAME/KEY: Modified-site

129 (B) LOCATION: 2

130 (D) OTHER INFORMATION: /note= "CAN BE GLN OR LYS"

132 (ix) FEATURE:

133 (A) NAME/KEY: Modified-site

134 (B) LOCATION: 5

135 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"

137 (ix) FEATURE:

138 (A) NAME/KEY: Modified-site

139 (B) LOCATION: 8

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140      (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
142      (ix) FEATURE:
143          (A) NAME/KEY: Modified-site
144          (B) LOCATION: 9
145      (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
147      (ix) FEATURE:
148          (A) NAME/KEY: Modified-site
149          (B) LOCATION: 11
150      (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
153      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 155      Xaa Xaa Glu Val Xaa Glu Thr Xaa Xaa Ser Xaa Glu Lys
156          1          5          10
158      (2) INFORMATION FOR SEQ ID NO: 5:
160          (i) SEQUENCE CHARACTERISTICS:
161              (A) LENGTH: 9 amino acids
162              (B) TYPE: amino acid
163              (C) STRANDEDNESS: Not Relevant
164              (D) TOPOLOGY: linear
166          (ii) MOLECULE TYPE: peptide
169          (ix) FEATURE:
170              (A) NAME/KEY: Modified-site
171              (B) LOCATION: 1
172              (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
174          (ix) FEATURE:
175              (A) NAME/KEY: Modified-site
176              (B) LOCATION: 7
177              (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
180      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
W--> 182      Xaa Phe Thr Thr Met Glu Xaa Met Arg
183          1          5
185      (2) INFORMATION FOR SEQ ID NO: 6:
187          (i) SEQUENCE CHARACTERISTICS:
188              (A) LENGTH: 10 amino acids
189              (B) TYPE: amino acid
190              (C) STRANDEDNESS: Not Relevant
191              (D) TOPOLOGY: linear
193          (ii) MOLECULE TYPE: peptide
198      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
200      Thr Tyr His Ala Leu Ser Asn Leu Pro Lys
201          1          5          10
203      (2) INFORMATION FOR SEQ ID NO: 7:
205          (i) SEQUENCE CHARACTERISTICS:
206              (A) LENGTH: 404 base pairs
207              (B) TYPE: nucleic acid
208              (C) STRANDEDNESS: double
209              (D) TOPOLOGY: linear
211          (ii) MOLECULE TYPE: DNA (genomic)
216      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
218      GGGTGACGAG TGGTGGCCGA AGCAGGGGGA CAGCAAGGGA CGCTCAGGCG GGGACCATGG      60

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220 CGGACGGCGG CTCGGAGCGG GCTGACGGGC GCATCGTCAA GATGGAGGTG GACTACAGCG      120
222 CCACGGTGGG TCAGCGCCTA CCCGAGTGTG CGAAGTATGC CAAGGAAGGA AGACTTCAAG      180
224 AAGTCATTGA AACCTTCTC TCTCTGGAAA AGCAGACTCG TACTGCTTCC GATATGGTAT      240
226 CGACATCCCG TATCTTAGTT GCAGTAGTGA AGNTGTGCTA TGAGGCTAAA GAATGGGATT      300
228 TACTTAATTA AAAATATTAT TGCTTTTTGT CAAAAGGCG GAGTCAAGTT AAAACAAGC      360
230 TAGTTGACAA AAAATGGATT NAACAGTTGC TGTNACTTAT TGTT                        404
232 (2) INFORMATION FOR SEQ ID NO: 8:
234     (i) SEQUENCE CHARACTERISTICS:
235         (A) LENGTH: 323 base pairs
236         (B) TYPE: nucleic acid
237         (C) STRANDEDNESS: double
238         (D) TOPOLOGY: linear
240     (ii) MOLECULE TYPE: DNA (genomic)
245     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
247 ATACCAAGAG GTACCAGGAA GCATTGCATT TGGGTTCTCA GCTGCTGCGG GAGTTGAAAA      60
249 AGATGGACGA CAAAGCTCTT TTGGTGGAAG TACAGCTTTT AGAAAGCAAA ACATACCATG      120
251 CCCTGAGCAA CCTGCCGAAA GCCCAGAGCTG CCTTAAGTTC TTCTCGAACC ACAGCAAATG      180
253 CCATCTACTG CCCCTAAAT TGCAGGCCAC CTTGGACATG CAGTCGGGTA TTATCCATGC      240
255 AGCAGAAGAG AAGGCTTGAA ACTCGTACTC ATACTTCTAT GAGGCATTTA GGGTATGACT      300
257 CATCGACAGC CCAAGGCATC ACA                        323

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## VERIFICATION SUMMARY

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TIME: 15:27:38

Input Set : N:\Crf3\RULE60\10052005.raw

Output Set: N:\CRF3\02152002\J052005.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5